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METHODS AND APPARATUS FOR COORDINATING PROCESSING OF NETWORK CONNECTIONS BETWEEN TWO NETWORK PROTOCOL STACKS

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ABSTRACT OF THE DISCLOSURE

Methods and apparatus for processing a network connection are disclosed.

The network connection is established by a first network protocol stack. A

determination is made whether to offload the network connection from the

15   first network protocol stack to the second network protocol stack. The

network connection is then transferred from the first network protocol stack to

the second network protocol stack when a determination has been made to

offload the network connection from the first network protocol stack to the

second network protocol stack. The network connection is handled by second

20   network protocol stack until a determination has been made to offload the

network connection back to the first network protocol stack. When an

indicator is received indicating a request to transfer the network connection

back to the first network protocol stack, the network connection is transferred

back to the first network protocol stack. State information associated with the

25   network connection is shared by the two network protocol stacks, thereby

enabling the network connection to be transferred seamlessly and without loss

of data.